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Documentation and Testing

— A New Program Documentation System

Volker Simonis¹ and Roland Weiss¹

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Though programming languages and programming styles evolve with remarkable speed today, there is no such evolution in the field of program documentation. And although there exist some popular approaches like Knuth's literate programming system WEB [26], and nowadays JavaDoc [15] or Doxygen [16], tools for managing software development and documentation are not as widespread as desirable. This paper analyses a wide range of literate programming tools available during the past two decades and introduces, a new software documentation system. It is simple, language independent, and it keeps documentation and the documented software consistent. It uses for typesetting purposes, supports syntax highlighting for various languages, and produces output in Postscript, PDF or HTML format.

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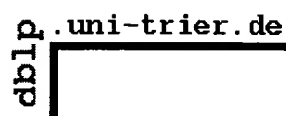
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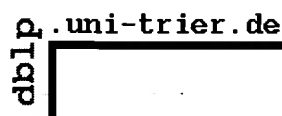
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2000		
2		Volker Simonis: Adapters and Binders - Overcoming Problems in the Design and Implementation of the C++-STL. SIGPLAN Notices 35(2) : 46-53 (2000)
1999		
1	EE	Volker Simonis, Roland Weiss: Heterogeneous, Nested STL Containers in C ⁺⁺ . Ershov Memorial Conference 1999 : 383-388

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Memorial Session

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- Volker Simonis
Internationalization with JFC/Swing Look and Feels.
JavaOne Conference, June 27-30, 2005, San Francisco, U.S.A.

Conference papers

- Weber, A., Küchlin, W., Eggers, B., and Simonis, V.
Parallel computer algebra software as a web component.
In Siamak Hassanzadeh and Klaus Schauser, editors, *ACM 1998 Workshop on Java for High-Performance Network Computing*, pages 261-264, Palo Alto, CA, U.S.A., March 1998. Association for Computing Machinery.
- Weber, A., Küchlin, W., Eggers, B., and Simonis, V.
A Parallel Gröbner Solver as a web component.
at the *Workshop on Computer Algebra in Scientific Computing*, St. Petersburg, Russia, April 1998.
- Simonis, Volker and Weiss, Roland
Heterogeneous, Nested STL Containers in C++
In "Lecture Notes in Computer Science 1755, *Andrei Ershov 3rd. Intern. Conf. "Perspectives of System Informatics"*", pages 383-388, July 6-9, 1999, Novosibirsk, Russia
- Simonis, Volker and Weiss, Roland
Exploring Template Template Parameters
In "Lecture Notes in Computer Science 2244, *Andrei Ershov 4rd. Intern. Conf. "Perspectives of System Informatics"*", pages 500-510, July 2-6, 2001, Novosibirsk, Russia
- Weiss, Roland and Simonis, Volker
Storing Properties in Grouped Tagged Tuples
In "Lecture Notes in Computer Science 2890, *Andrei Ershov 5rd. Intern. Conf. "Perspectives of System Informatics"*", pages 22-29, July 9-12, 2003, Novosibirsk, Russia
- Simonis, Volker and Weiss, Roland
ProgDoc - A New Program Documentation System

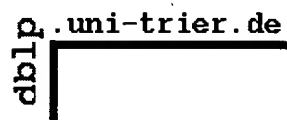
In "Lecture Notes in Computer Science 2890, *Andrei Ershov 5rd. Intern. Conf. "Perspectives of System Informatics"* , pages 438-449, July 9-12, 2003, Novosibirsk, Russia

Journal articles

- Volker Simonis
Chameleon Objects, or how to write a generic, type safe wrapper class
Published in "*C++ Report*", Vol 12/No 1, January 2000
- Volker Simonis
Adapters and Binders - Overcoming problems in the design and implementation of the C++-STL
Published in "*ACM SIGPLAN Notices*", January 2000
- Volker Simonis
International Swinging: Making Swing Components Locale-Sensitive
Published in *Java Solutions*, a supplement to "*C/C++ Users Journal*", Vol 20/No 8, August 2002
- Volker Simonis
Scrolling on Demand: A scrollable toolbar component
Published in *Java Developer Journal* Vol 9/Issue 7, July 2004

Reports

- Gast, H., Haug, A., Loos, R., Simonis, V.
CIS: A Web-Based Course Information System.
Wilhelm-Schickard-Institute für Informatik, Univ. Tübingen, *Technical Report*, ISSN 0946-3852, 2004



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